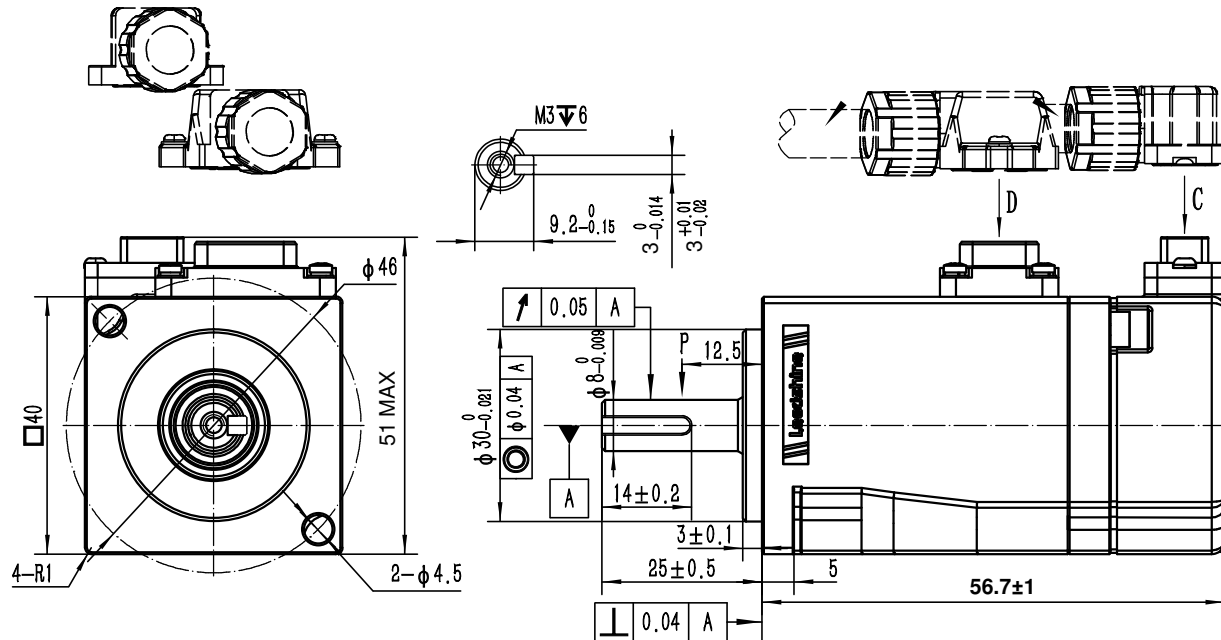
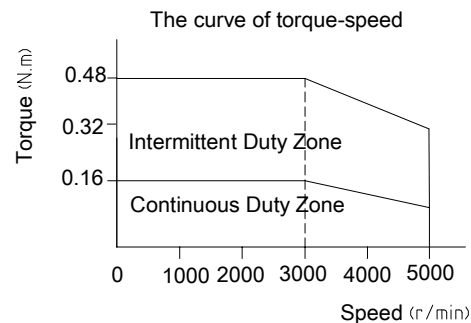


|                                                     |                |
|-----------------------------------------------------|----------------|
| Rated Voltage (Vac)                                 | 220            |
| Rated Power (w)                                     | 50             |
| Rated Torque (N.m)                                  | 0.16           |
| Peak Torque (N.m)                                   | 0.48           |
| Rated Speed (rpm)                                   | 3000           |
| Peak Speed (rpm)                                    | 5000           |
| Rated Current (Amp)                                 | 0.93           |
| Peak Current (Amp)                                  | 2.88           |
| Torque Const (N.m/Amp)                              | 0.2            |
| Back EMF Const (V/krpm)                             | 12.35          |
| Resistance ( $\Omega$ )                             | 11.79          |
| Inductance (mH)                                     | 10.25          |
| Inertia ( $\text{kg}\cdot\text{m}^2\cdot 10^{-4}$ ) | 0.036          |
| Poles                                               | 10             |
| Encoder type                                        | 23bit magnetic |
| IP rating                                           | IP67           |
| Mass (Kg)                                           | 0.28           |



| Wiring details of Power cable connector |       |       |     |         |    |    |
|-----------------------------------------|-------|-------|-----|---------|----|----|
| Pos                                     | 1     | 2     | 3   | 4       | -- | -- |
| Signal                                  | U     | V     | W   | PE      | -- | -- |
| Color                                   | black | white | red | Yel/Gre | -- | -- |

| Wiring details of encoder cable connector |        |     |       |      |        |       |       |
|-------------------------------------------|--------|-----|-------|------|--------|-------|-------|
| Pos                                       | 1      | 2   | 3     | 4    | 5      | 6     | 7     |
| Signal                                    | PE     | 5V  | 0V    | SD+  | SD-    | Bat+  | Bat-  |
| Color                                     | shield | red | black | blue | yellow | brown | white |



Leadshine Technology Co.,Ltd

ELM1H-0050MA40F

40mm,high inertia,50w servo motor  
23bit magnetic encoder, no brake